

ABSTRACT

The invention discloses an isolated, biologically pure culture of a microorganism, *Bacillus licheniformis*, strain SB3086 for use as an environmentally desirable biofungicide.

The invention also discloses a method for enhancing biofungicidal activity of a microbial

5 agent. The invention further discloses a nutrient composition comprising a microbial agent and a method for controlling plant fungal diseases and infestation of *Aspergillus niger* utilizing said strain.